

FIG. 1
(PRIOR ART)

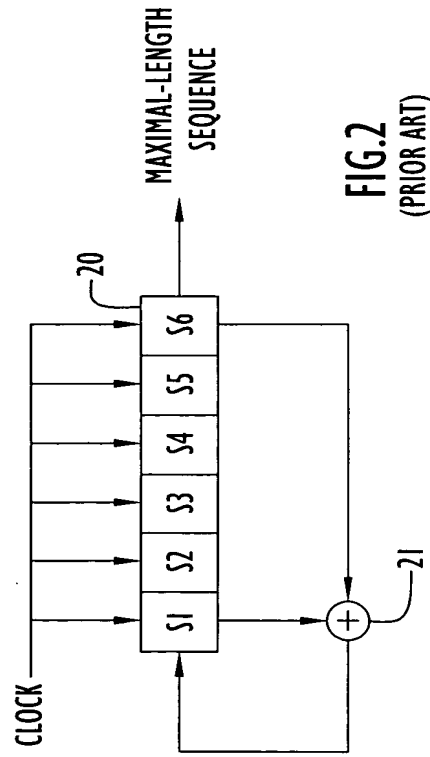


FIG. 2
(PRIOR ART)

FIG.3A

BOUNDARY
DITHER:

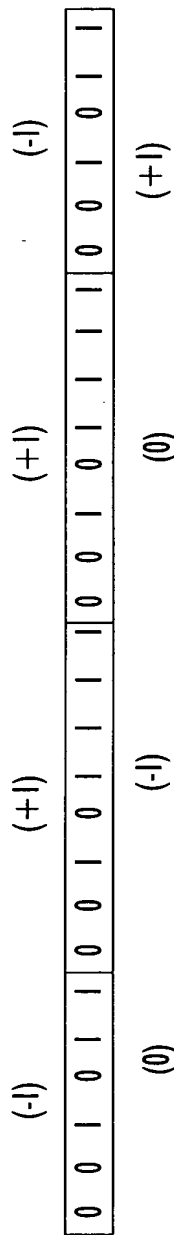


FIG.3B

ROTATION
DITHER:

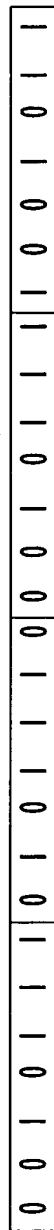
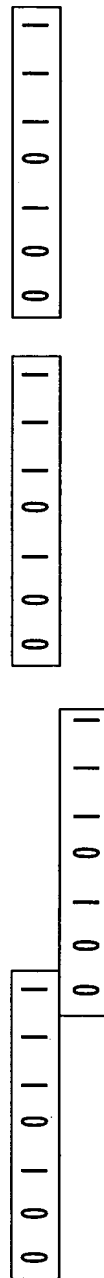


FIG.3C

**ALIGNED
REFERENCE
CODES:**



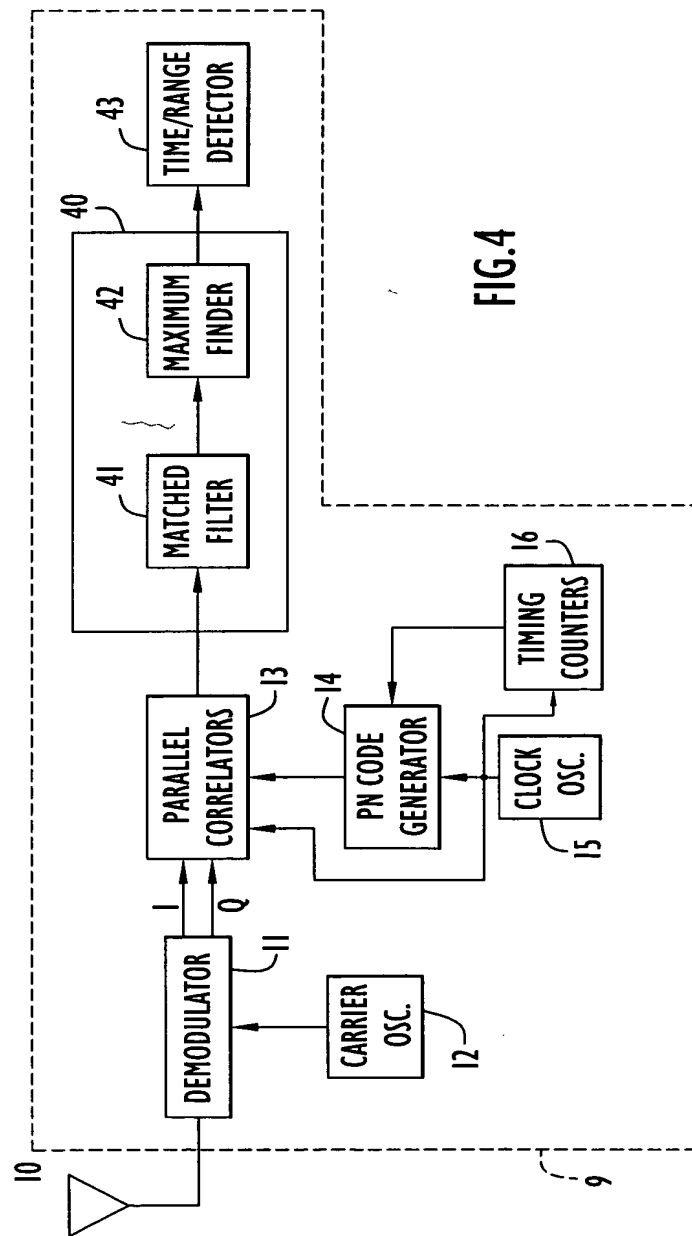


FIG. 4

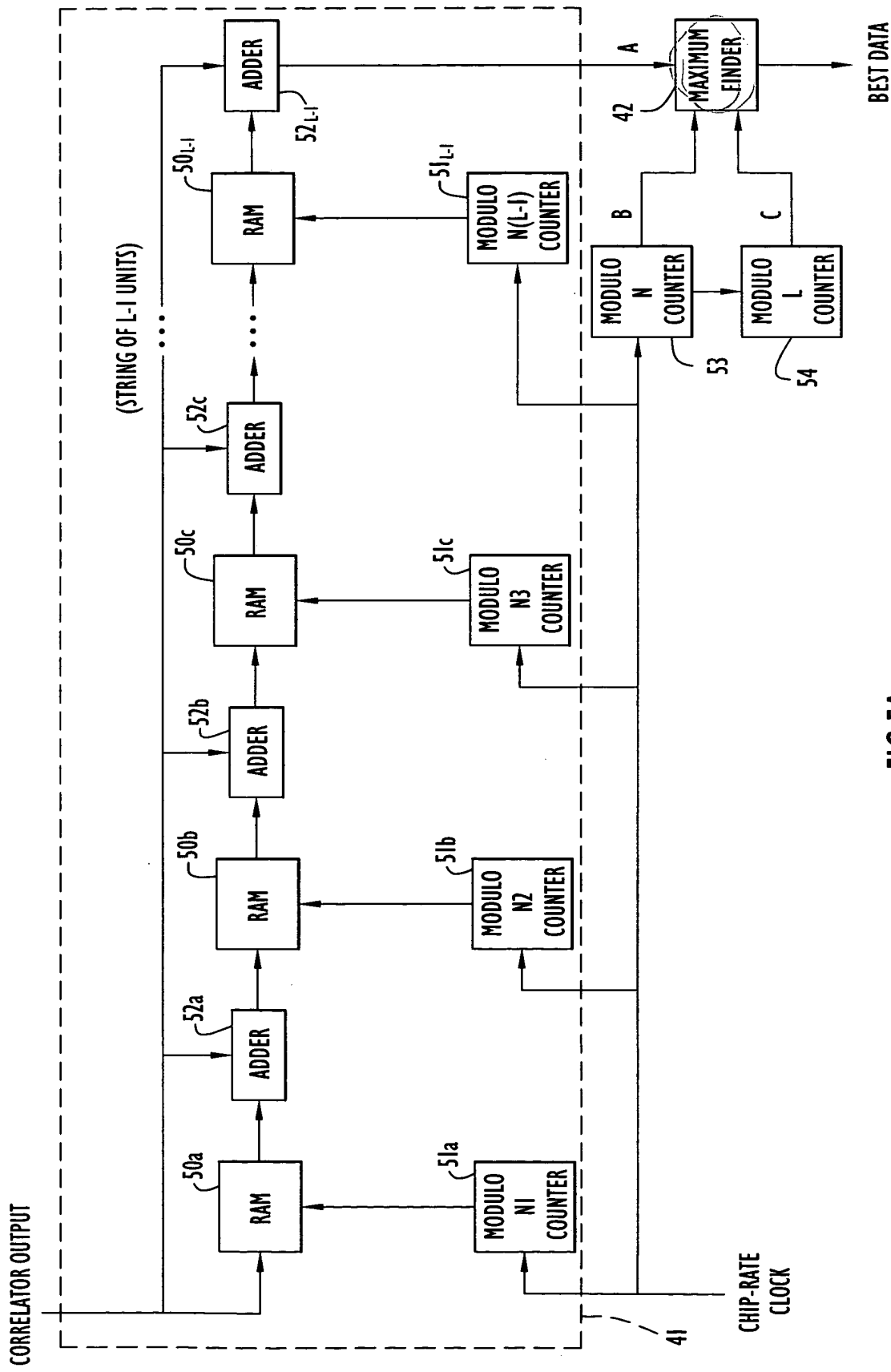


FIG.5A

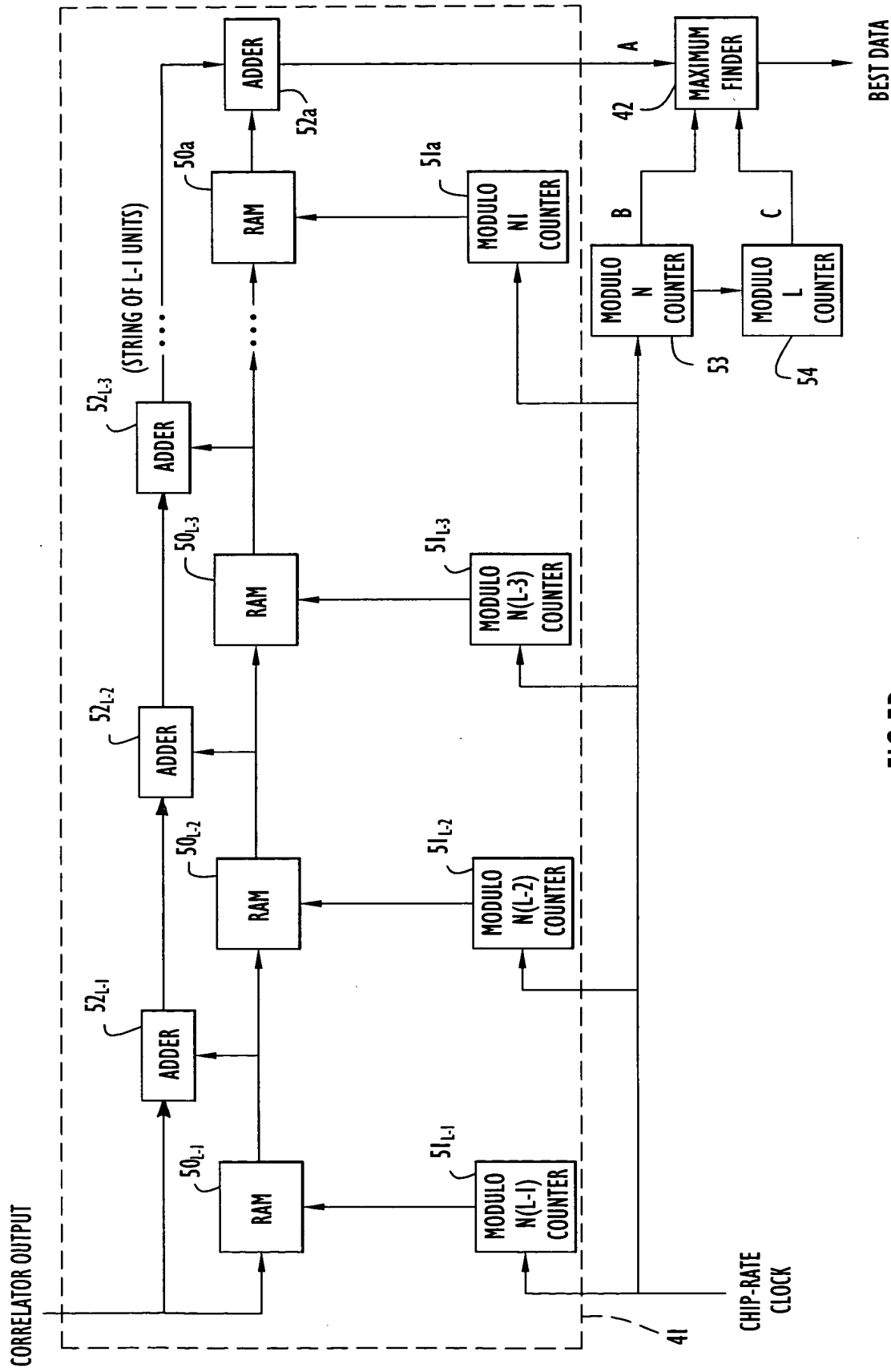


FIG.5B

LENGTHS OF SHORT CODES: N+1 N-1 N-1 N+1 N-1 N+1 N-1 N+1 N+1 N+1

OTHER CODE=10 SHORT CODES:

1	2	3	4	5	6	7	8	9	10
---	---	---	---	---	---	---	---	---	----

FIG.6A

CORRELATOR i-1:

				4					
--	--	--	--	---	--	--	--	--	--

CORRELATOR i:

1		3		5		7		9	
---	--	---	--	---	--	---	--	---	--

CORRELATOR i+1:

	2						8		10
--	---	--	--	--	--	--	---	--	----

FIG.6B

MODULUS N-1 COUNTER CYCLES:

--	--	--	--	--	--	--	--	--	--

N-1 DELAYS OF SUMS:

1+2	1+2+3	1+2+3+4+5	1+2+...7+8
-----	-------	-----------	------------

FIG.6C

MODULUS N+1 COUNTER CYCLES:

--	--	--	--	--	--	--	--	--	--

N+1 DELAYS OF SUMS:

1	1+2+3+4	1+2+...+5+6	1+2+...+6+7	1+2+...+8+9
---	---------	-------------	-------------	-------------

FIG.6D

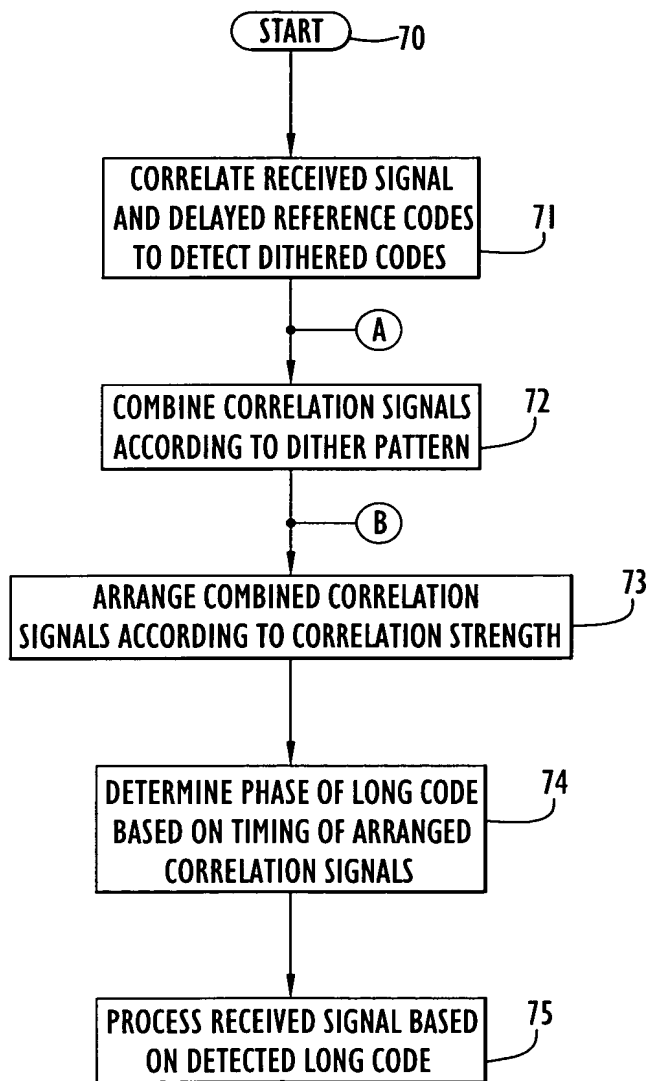


FIG.7A

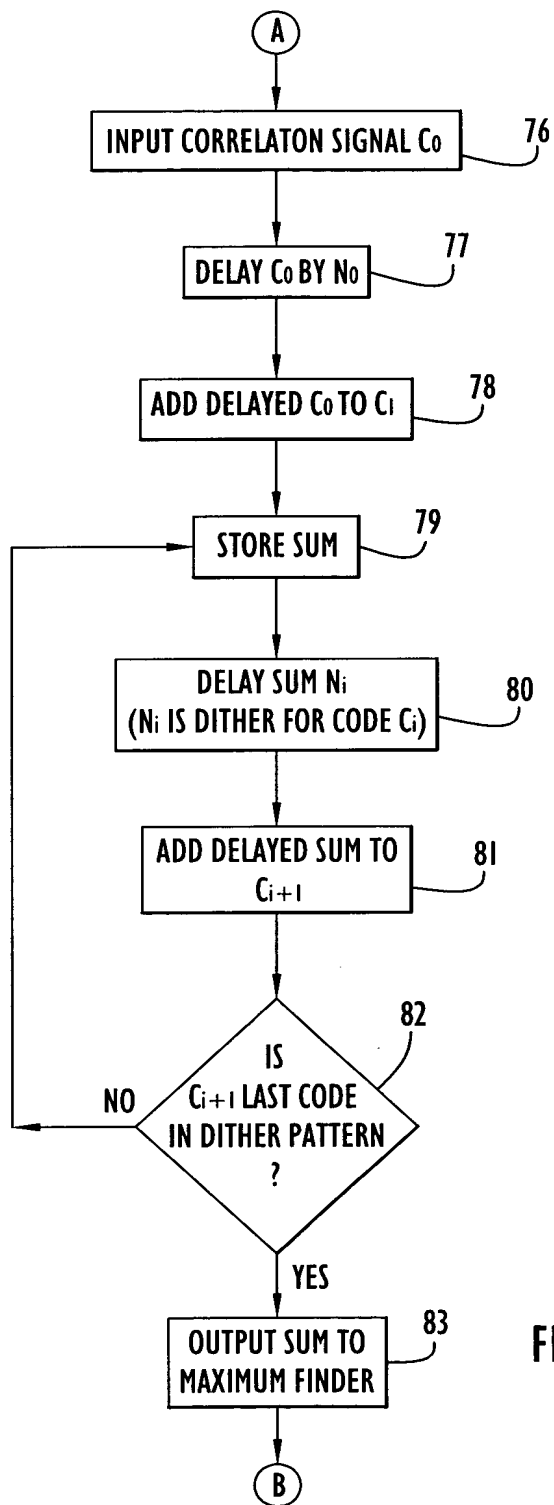


FIG.7B

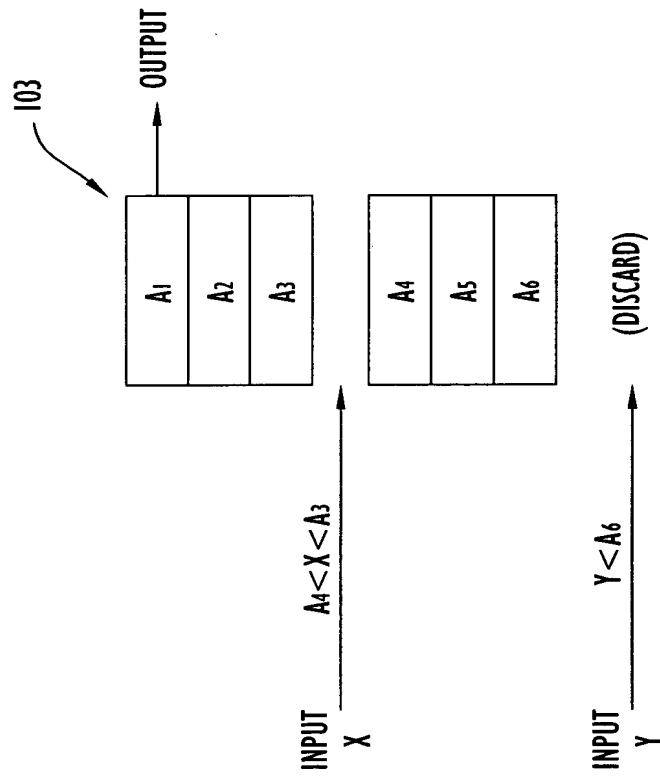


FIG. 9